



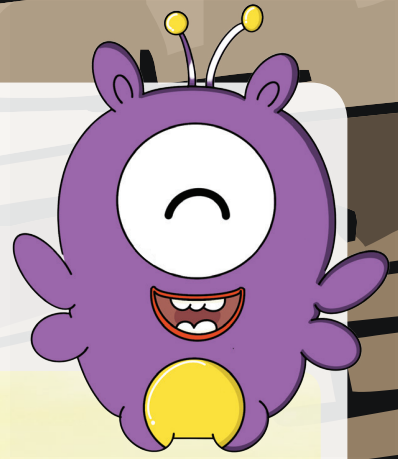
Example

Fraction of a set

Solve the following.

(a) $\frac{3}{4} \times \frac{4}{16} = 12$

(b) $\frac{4}{5} \times \frac{3}{15} = 12$



Practice

Solve the following.

(a) $\frac{2}{3} \times 12 =$

(b) $\frac{3}{4} \times 28 =$

(c) $\frac{5}{6} \times 42 =$

(d) $\frac{1}{4} \times 24 =$

(e) $\frac{3}{5} \times 35 =$

(f) $\frac{3}{8} \times 32 =$



Example

1-step problem sums involving addition of fractions

Ajax spent $\frac{1}{3}$ of his money on lunch and $\frac{1}{6}$ of his money on some snacks. What fraction of his money did he spend altogether?

$$\frac{1}{3} + \frac{1}{6} = \frac{2}{6} + \frac{1}{6} = \frac{3}{6} = \frac{1}{2}$$

Answer: $\frac{1}{2}$



Practice

- (a) Mrs Molly bought a pizza. Her son took $\frac{2}{7}$ of the pizza while her daughter took $\frac{1}{6}$ of the pizza. What fraction of the pizza did her son and daughter take altogether?

Answer: _____

- (b) Jesper spent $\frac{2}{3}$ of his money on a magazine. He spent $\frac{1}{8}$ of his money on a book. What fraction of his money did he spend altogether?

Answer: _____



Example

1-step problem sums involving fraction of a set

There are 15 people on a bus. $\frac{1}{5}$ of them are children. How many children are there?

$$\frac{1}{5} \times \frac{3}{15} = 3$$

Answer: 3



Practice

- (a) Sean had \$60. He spent $\frac{2}{5}$ of his money on some books. How much did he spend on the books?

Answer: \$

- (b) A box contained 27 chocolate truffles. Kelly took $\frac{2}{3}$ of the chocolate truffles. How many chocolate truffles did she take?

Answer:

- (c) A teacher had 72 candies. She gave away $\frac{7}{9}$ of them to her students as rewards. How many candies did she have left?

Answer: _____

- (d) Mina bought a bag for her mother's birthday. The bag cost \$360. She paid $\frac{2}{5}$ of the cost of the bag. The rest was paid for by Mina's brother. How much did Mina's brother pay?

Answer: \$ _____



Singapore Maths Primary 4 (Grade 4)

Worksheet answers, with the key working for each question

Questions from Spartan Maths 4A, Level 71: Fractions (3). © Singapore Asia Publishers Pte Ltd and Mavis Tutorial Centre.

Page (71)2 Fraction of a set

- (a) $\frac{2}{3} \times 12 = 8$ ($12 \div 3 = 4$, then $2 \times 4 = 8$)
- (b) $\frac{3}{4} \times 28 = 21$
- (c) $\frac{5}{6} \times 42 = 35$
- (d) $\frac{1}{4} \times 24 = 6$
- (e) $\frac{3}{5} \times 35 = 21$
- (f) $\frac{3}{8} \times 32 = 12$

Find one part first by dividing by the denominator, then multiply by the numerator.

Page (71)3 1-step problem sums involving addition of fractions

- (a) $\frac{2}{7} + \frac{1}{6} = \frac{12}{42} + \frac{7}{42} = \frac{19}{42}$
Answer: $\frac{19}{42}$ of the pizza
- (b) $\frac{2}{3} + \frac{1}{8} = \frac{16}{24} + \frac{3}{24} = \frac{19}{24}$
Answer: $\frac{19}{24}$ of his money

Pages (71)7 and (71)8 1-step problem sums involving fraction of a set

- (a) $\frac{2}{5} \times \$60 = \$24$
Answer: \$24
- (b) $\frac{2}{3} \times 27 = 18$
Answer: 18 chocolate truffles
- (c) She had $1 - \frac{7}{9} = \frac{2}{9}$ of the candies left.
 $\frac{2}{9} \times 72 = 16$
Answer: 16 candies
- (d) Her brother paid $1 - \frac{2}{5} = \frac{3}{5}$ of the cost.
 $\frac{3}{5} \times \$360 = \$216$
Answer: \$216